



**nichicon**

# Company data

<b>Head Office:</b>	Karasumadori Oike-agaru, Nakagyo-ku, Kyoto, 604-0845 Japan TEL. 81-75-231-8461 FAX. 81-75-256-4158
<b>Chairman &amp; CEO:</b>	Ippei Takeda
<b>President &amp; COO:</b>	Shigeo Yoshida
<b>Established:</b>	August 1 <sup>st</sup> , 1950
<b>Employees:</b>	5.792 (as of March 31 <sup>st</sup> , 2014 – Consolidated)
<b>Capital Stock:</b>	14.286 million Yen (as of March 31 <sup>st</sup> , 2015)
<b>Net Sales:</b>	107.294 million Yen (as of March 31 <sup>st</sup> , 2015)
<b>Listings:</b>	First section of Tokyo Stock Exchange

# Products at a glance

## Aluminum Electrolytic Capacitor

- SMT
- THT
- Snap-in
- Screw Mount



## Electric Double Layer Capacitor (EVerCAP®)

- THT
- Snap-in
- Screw Mount



## Conductive Polymer Capacitor Nichicon & FP ( former Fujitsu) brand

- SMT
- THT



## EV On Board Chargers & On Board DCDC conv.



## Quick charging stations



## Plastic Film Capacitors & Modules

## Function Modules

## Switching Power Supplies

# The capacity of Innovation & Responsibility

- **World Wide Sales and Engineering Support**
  - Japan – Europe – USA – Asia
- **ISO 9001, ISO14001, ISO/TS16949 registered**
- **Leading Company in Technology and Quality**
  - Quality control over all manufacturing processes and continuous R&D
- **Extensive Product Range**
  - standard mass production
  - extraordinary high grade capability for custom made design and production
- **Largest Production Resource**
  - 13 factories in Japan, 2 in China and 1 in Malaysia
  - 2 dedicated factories for EV and HEV elated applications
- **90% in House Al-foil Production**
  - in 2 dedicated Al-foil factories

# Global Presence

## Japan Network:

Nichicon Corp. Head Office  
Tokyo Sales Office  
Nagoya Sales Office  
West Japan Sales Office

Nagano Factory  
Ohmachi Factory  
Tomita Factory  
Power Supply Center  
Nichicon (Kusatsu) Corp.

Nichicon (Kameoka)  
Nichicon (Ohno) Corp.  
Nichicon (Iwate) Corp.  
Nichicon (Wakasa) Corp.  
Nichicon (Fukui) Corp.  
Torishima Electric Works Ltd.  
Nippon Liniax Co., Ltd.

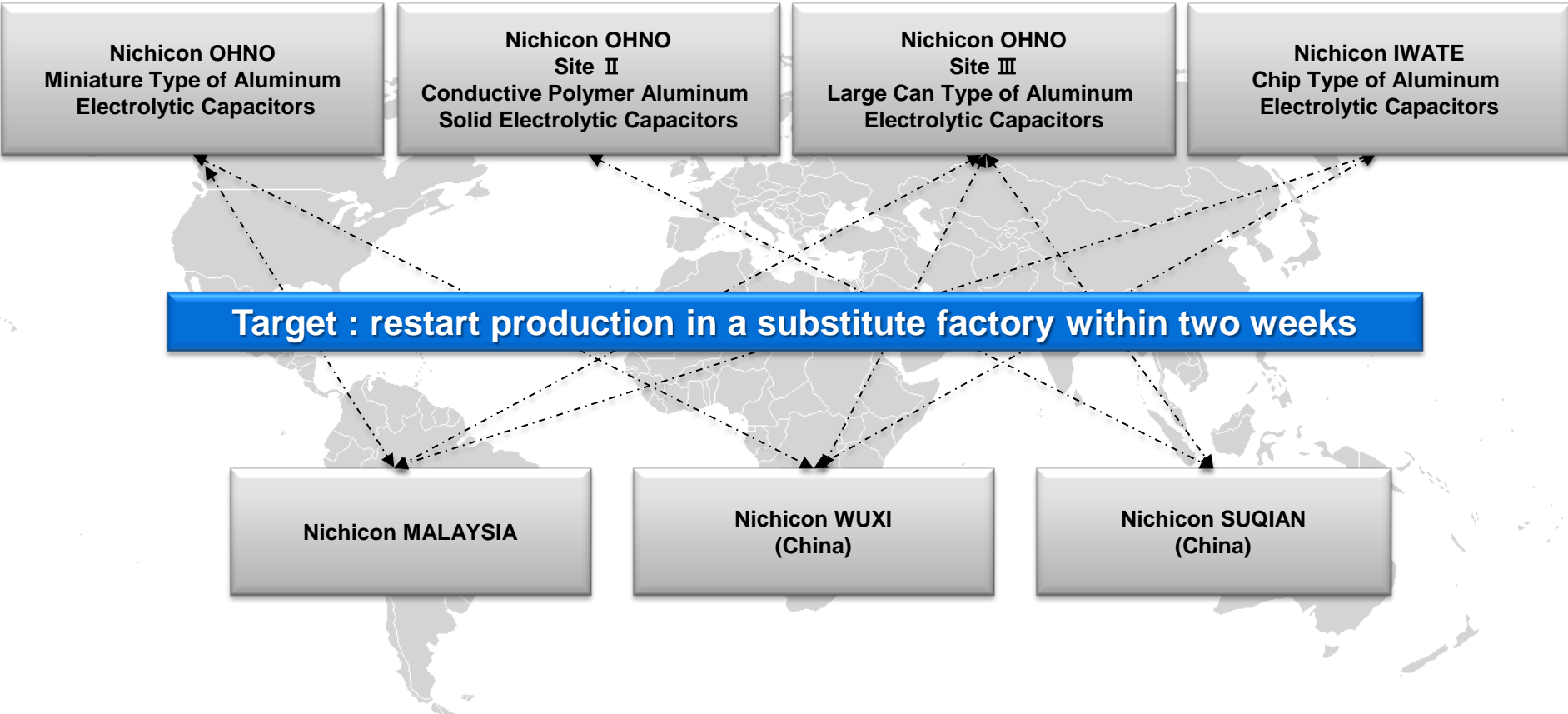
- Large Can Type, EDLC
- Electrode Foil
- Electrode Foil
- Switching Power Supplies
- Capacitor for electric apparatus and power utilities, Plastic Film Capacitor, Capacitor applied systems
- Hybrid IC, PTC, NECST related Products
- Aluminum Electrolytic Capacitor
- Aluminum Electrolytic Capacitor
- Switching Power Supplies
- Conductive Polymer Capacitor
- Power Transformer and Reactor
- Pressure Sensors, Instruments

## Global Network:

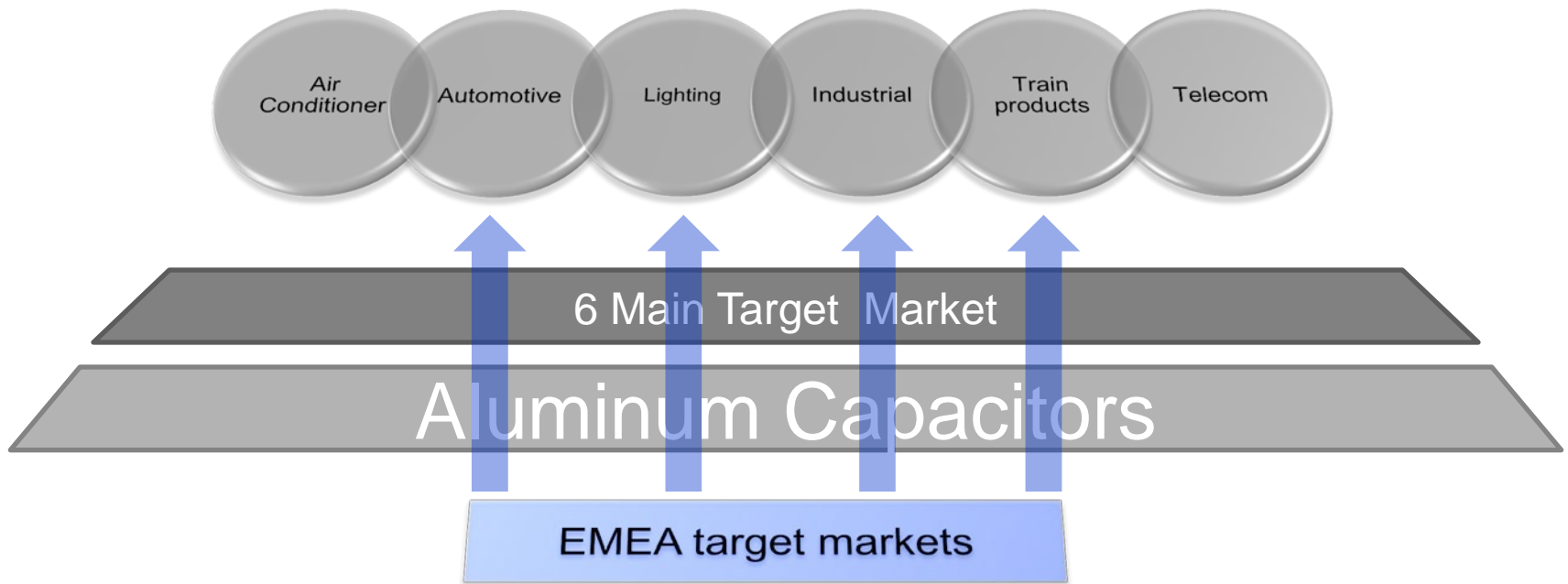
Nichicon (America) Corp.  
Nichicon (Austria) GmbH  
& UK Office  
& Home Offices in DE, IT, UK and FR  
Nichicon (Hong Kong) Ltd.  
Nichicon (Singapore) Pte. Ltd.  
Nichicon Electronics (India) Pvt. Ltd.  
Nichicon (Thailand) Co., Ltd.  
Nichicon (Taiwan) Co., Ltd.  
Nichicon Electronics Trading (Shanghai) Co., Ltd.  
& Dalian Representative Office  
Nichicon Electronics Trading (Shenzhen) Co., Ltd.  
& Chongqing Branch  
& Chengdu Branch  
*Nichicon (Malaysia) Sdn. Bhd.*  
*Nichicon Electronics (Wuxi) Co., Ltd.*  
*Wuxi Nichicon Electronics R&D Center Co., Ltd.*  
*Nichicon Electronics (Suqian) Co., Ltd.*



# Multi factory back up production system



# Target Market Aluminium Capacitor





# EMEA Regional Support Network

## Company Outline NICHICON (AUSTRIA) GmbH as of 04/14:

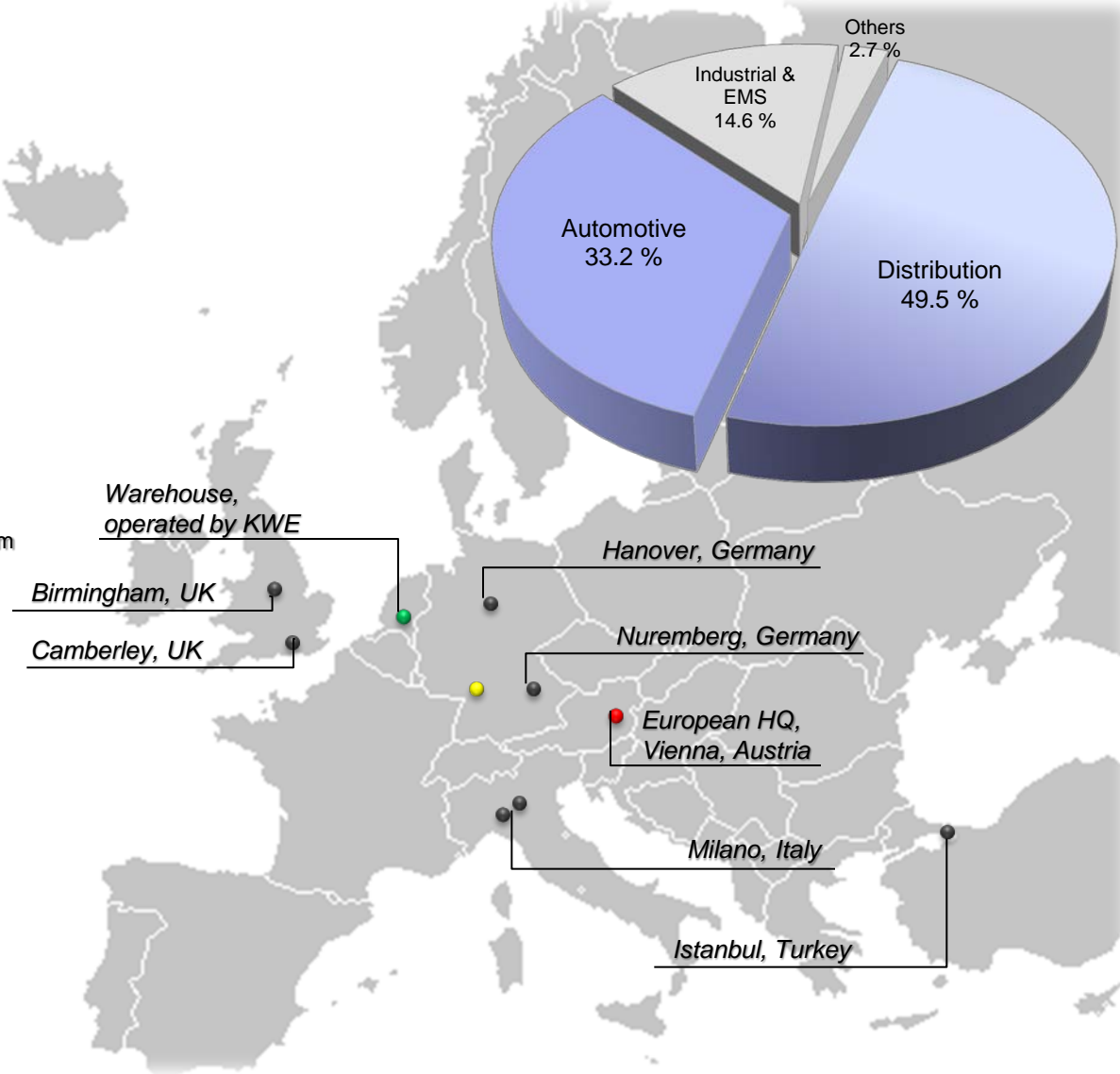
Established: Dec. 2001  
Address: Businesspark Marimum  
Modecenterstrasse17, Unit 2-7-A  
1110 Vienna, Austria  
Turnover: ~ 60 million EUR  
Number of Employees: 26

## Company Outline NICHICON (AUSTRIA) GmbH – UK Office:

Established: Jun. 1990  
Address: 4.3 Frimley Business Park, 1A Frimley,  
Camberley, Surrey GU16 7SG, United Kingdom  
Number of Employees: 5

## NICHICON (AUSTRIA) GmbH – Regional Offices:


Established since 2008  
Number of Employees: 7 (+1 planned)





## Specification


**LGR**




Snap-in terminal type  
105°C long-life  
product

 [PDF Download](#)

**LGY**



Snap-in terminal type  
105°C long-life  
product

 [PDF Download](#)

### Miniature

**UCY**



Miniature high ripple  
current long-life  
product

 [PDF Download](#)

**ULD**




Miniature long-life  
product


 [PDF Download](#)

### Chip-form

**UUL**



Chip-type long-life  
product

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**UCB**



Chip-type long-life  
product

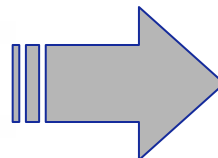
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## Key Design Features

Uses higher capacitance electrode foil

Uses thinner separator paper

Use of NEW thinner cathode foil technology



Lower Impedance

Higher Ripple Current

Reduce part count on PCB

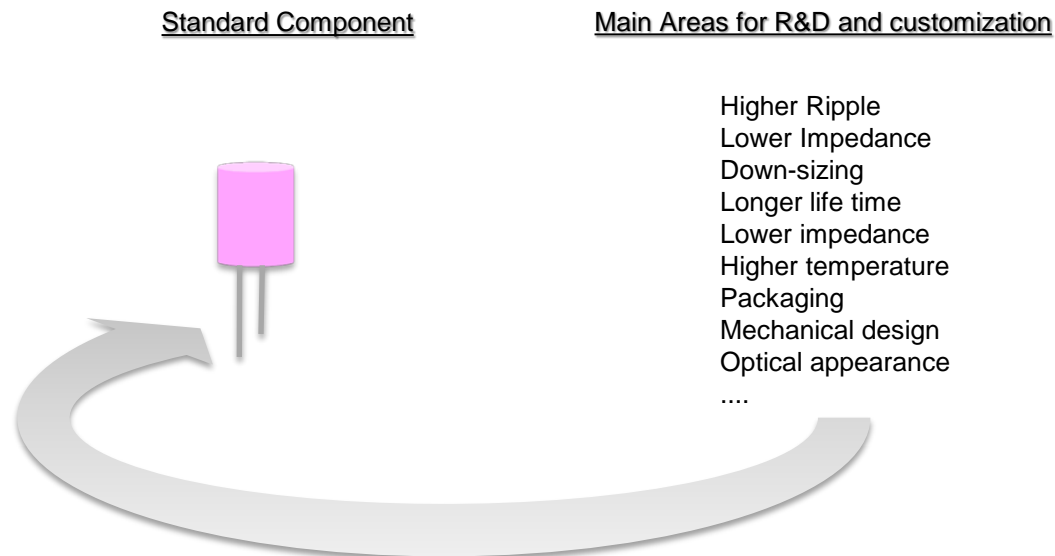
# Fit to application ability

Customizing parts is a daily routine for Nichicon even being one of the biggest global manufacturers. Although Nichicon has a wide product range, customer may have special needs to capacitor for a best fit.

Whenever customer has special needs, Nichicon has the knowledge and ability to make modifications. Such a customization is usually handled by the sales team and the local engineering team, who then makes the contact and design together with our R&D teams in Japan, in close coordination with the customer.

Customizations, next to the continuous normal R&D, may later find it's way into new coming standard series as well and is therefore not only a normal procedure for Nichicon but very welcome helping to understand future trends and needs as good and early as possible.

Fit to purpose items are not always more expensive than catalogue items, many times they are much more reasonable looking to the solution as a whole.



# New project request questionnaire

## Necessary Information

### General Information

- End-user
- Application
- EAU (Estimated annual usage)
- SOP (Start of production)
- Production plant in case of global built

### Technical Information

- Category temperature of the application
- Available space for capacitors (including the tolerance)
- Ratings (Voltage and capacitance)
- Max ripple current applied (+Frequency and temperature)
- Mission profile (ripple vs temp. vs time) or your customer's test condition
- Required lifetime
- Any other unique requests
- In case of low impedance capacitor → Impedance (+Frequency and temperature)

The screenshot shows the Nichicon website homepage. At the top, there is a navigation bar with the Nichicon logo, links for 'Inquiry To', 'Contact Us', 'Site Map', and language options for 'Japanese' and 'Chinese'. Below this is a secondary navigation bar with 'Home', 'Company Data', 'Product & Technology', 'CSR & Environment', and 'Investor Relations'. The main banner features the slogan 'Nichicon provides products that are friendly to the Environment and to Society' with images of a white van and a car. A search bar is highlighted with a red box, containing 'Part Number Search', 'Product Lineup', and search methods: 'List Search', 'Diagram Search', 'Picture Search', and 'Parameter Search'. Below the search bar is a grid of product categories, including 'Chip Type Aluminum Electrolytic Capacitors', 'Miniature Type Aluminum Electrolytic Capacitors', 'Large Can Type Aluminum Electrolytic Capacitors', 'Conductive Polymer Aluminum Solid Electrolytic Capacitors', 'Electric Double Layer Capacitors', 'Plastic Film Capacitors', 'Positive Thermistors', 'Function Modules', 'Power Modules', and 'Film Capacitor ER series'. An 'Application Search' section is highlighted with a yellow box, listing 'Automotive', 'Power Supply & Lighting', 'Information & Communications', and 'Industrial Equipment'. A 'Technical Support' section is highlighted with a green box, containing 'Lifetime Calculation', 'SPICE MODEL download', 'ELECTRONIC COMPONENTS Catalog PDF download', 'Technical Notes On Aluminum Electrolytic Capacitors', and 'Technical articles'. A 'News & Topics' section is highlighted with a blue box, listing recent news items from May 20, 2015, and April 27, 2015. A 'Distribution & Stock support' section is highlighted with a blue box, featuring 'Americas / Europe Representative Authorized Distributor Locator', 'Cutting Edge Products', 'Stock Availability in North America / Europe / Asia', and 'Nichicon Navi'. The footer contains 'Terms of Use', 'Copyright (C) 2015 NICHICON CORPORATION. All Rights Reserved.', and the Nichicon logo.

Multiple data search

Application guidance

Technical support

Distribution & Stock support

Thank you very much for your attention!

***Can Do!***  
*All You Need and More, Right Away*